

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

Number ST02132CH

This certificate issued to Mayday Avionics
5500 44th Street, SE
Grand Rapids, MI 49512-8316

certifies that the change in
the type design for the following product with the limitations and conditions therefor as specified hereon
meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.
(See Sheet 3 for complete certification basis)

Original Product - Type Certificate Number : A3WE
Make : Boeing
Model : 727 Series

Description of Type Design Change:

Installation of a Honeywell Mark VII Enhanced Ground Proximity Warning System with Terrain Display and Runway Awareness Advisory System (RAAS) in accordance with Mayday Avionics Master Data List B727-3442-01, Rev. A, dated April 05, 2005, or later FAA approved revision.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. FAA Approved Flight Manual Supplements, Mayday Avionics Document B727-3442-100, Revision I/R, dated April 07, 2005 or later FAA approved revision and Mayday Avionics Document B727-3442-101, Revision I/R, dated April 07, 2005 or later FAA approved revision are a required part of this STC.
3. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until
surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the
Federal Aviation Administration.

Date of application : August 05, 2004

Date reissued :

Date of issuance : April 07, 2005



By direction of the Administrator

Steven L. Lardinois
(Signature)

Charles L. Smalley, Manager
Systems and Flight Test Branch
Chicago Aircraft Certification Office

(Title)

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Supplemental Type Certificate
(Continuation Sheet)

Number ST02132CH

Date of Issuance: April 07, 2005

Certification Basis (continued)

The certification basis for the Boeing aircraft models identified on Page 1 of this certificate is as follows:

- a. The type certification basis for the Boeing aircraft models identified on Page 1 of this certificate is shown on TCDS A3WE for parts not changed or not affected by this change.
- b. The type certification basis for the parts changed or affected by this change since the reference date of application, August 05, 2004, is shown on TCDS A3WE. Additionally, the applicant has voluntarily complied with 14 CFR Part 25 as amended by Amendment 25-113.

Applicable Regulations at the latest amendment 25-0 through 25-113

25.981(a); 25.1301(a), (b), (c), (d); 25.1307(c); 25.1309(a), (b), (c), (d), (g); 25.1322(a), (b), (c); 25.1333(c); 25.1351(a); 25.1353(a), (b); 25.1357(a), (c); 25.1431(a), (c); 25.1529; 25.1581(a), (b), (d).

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